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Mong Li Lee, Liang Huai Yang, Wynne Hsu, Xia Yang
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It is increasingly important to develop scalable integration techniques for
practical starting point for the integration of large numbers of Document
to first find ...

Keywords: XML Schema, clustering, data integration, schema matching

2 Computing curricula 2001
CORPORATE The Joint Task Force on Computing Curricula
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3 NeT & CoT: translating relational schemas to XML schemas using se
Dongwon Lee, Murali Mani, Frank Chiu, Wesley W. Chu
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Two algorithms, called NeT and CoT, to translate relational schemas to X
are presented. The XML schema representation we use is a language-ind
precise and concise. ...

Keywords: XML, schema translation, semantic constraints

4 Answering queries using views: A survey
Alon Y. Halevy

December 2001 **The VLDB Journal — The International Journal on Ver**
Publisher: Springer-Verlag New York, Inc.
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The problem of answering queries using views is to find efficient method
defined materialized views over the database, rather than accessing the
received significant ...

Keywords: Data integration, Date warehousing, Materialized views, Que

5 Towards static type checking for XSLT
Akihiko Tozawa
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We are concerned about the *static type checking* problem for XSLT. In th
types are DTDs or schemas, and *static type checking* is to verify that a p

6 The evolution of hypertext link services
Leslie Carr, Wendy Hall, David De Roure
December 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 4es
Publisher: ACM Request Permissions
Full text available: Pdf (28.11 KB)   Additional Information: full citation, re

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 46,   Downloa

Keywords: electronic publishing, link services, open hypermedia system

7 Review of "The language of word meaning" by Pierrette Bouillon and
(Studies in natural language processing, edited by Branimir Bogurae
Mari Broman Olsen
June 2002   **Computational Linguistics** , Volume 28 Issue 2
Publisher: MIT Press
Full text available: Pdf (242.09 KB)   Additional Information: full citation, re

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8 Exploring the role of visualization and engagement in computer scier
Thomas L. Naps, Guido Rößling, Vicki Almstrum, Wanda Dann, Rudolf Fleis
Malmi, Myles McNally, Susan Rodger, J. Ángel Velázquez-Iturbide
June 2002   **ITiCSE-WGR '02:** Working group reports from ITiCSE on Inr
education
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Bibliometrics: Downloads (6 Weeks): 42,   Downloads (12 Months): 403,   Downl

Visualization technology can be used to graphically illustrate various con

technology, no matter how well it is designed, is of little educational valu
activity. ...

Also published in:
June 2003 **SIGCSE Bulletin** Volume 35 Issue 2

9 Reasoning about code mobility with mobile UNITY
Gian Pietro Picco, Gruia-Catalin Roman, Peter J. McCann
July 2001   **Transactions on Software Engineering and Methodolog**
Publisher: ACM Request Permissions
Full text available: Pdf (419.80 KB)   Additional Information: full citation, ab

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Advancements in network technology have led to the emergence of new
programming practices by employing weak forms of consistency and dyn
allows for invocation-time ...

Keywords: UNITY, code mobility, mobile agent

10 Embodied contextual agent in information delivering application
Catherine Pelachaud, Valeria Carofiglio, Berardina De Carolis, Fiorella de Rc
July 2002   **AAMAS '02:** Proceedings of the first international joint confe
systems: part 2
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We aim at building a new human-computer interface for Information Del
we have developed is a multimodal believable agent able to converse wit
coherent verbal ...

Keywords: believable agent architectures, cognitive models and models
interface and conversational agents, personality and emotion in agents

11 Spatial data integrity constraints in object oriented geographic data n
Karla A. V. Borges, Alberto H. F. Laender, Clodoveu A. Davis, Jr.
November 1999 **GIS '99:** Proceedings of the 7th ACM international symposi
systems
Publisher: ACM Request Permissions
Full text available: Pdf (80.31 KB)   Additional Information: full citation, re

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 46,   Download

Keywords: conceptual modeling, geographic data modeling

12 The complexity of acyclic conjunctive queries
Georg Gottlob, Nicola Leone, Francesco Scarcello
May 2001   **Journal of the ACM (JACM)** , Volume 48 Issue 3
Publisher: ACM Request Permissions
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Pdf (566.16 KB)   full citation, ak

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 108,   Downl(

This paper deals with the evaluation of acyclic Boolean conjunctive queri
Yannakakis[1981], this problem is solvable in polynomial time; its precis

Keywords: CSP, LOGCFL, acyclic hypergraph, algorithm, bounded treew
satisfaction problem, database theory, degree of cyclicity, hinge, join tre
idth, subsumption, tree query

13 Spoken dialogue technology: enabling the conversational user interfa
Michael F. McTear
March 2002   **Computing Surveys (CSUR)** , Volume 34 Issue 1
Publisher: ACM Request Permissions
Full text available: Pdf (987.69 KB)   Additional Information: full citation, ak

Bibliometrics: Downloads (6 Weeks): 95,   Downloads (12 Months): 671,   Downl(

Spoken dialogue systems allow users to interact with computer-based ap
by using natural spoken language. The origins of spoken dialogue systen
research in the ...

Keywords: Dialogue management, human computer interaction, langua
recognition, speech synthesis

14 Review of "Efficient processing with constraint-logic grammars using
Stanford: CSLI Publications (Stanford monographs in linguistics), 20(
Suresh Manandhar
June 2002   **Computational Linguistics** , Volume 28 Issue 2
Publisher: MIT Press
Full text available: Pdf (242.09 KB)   Additional Information: full citation, re

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 12,   Downloa(

15 The intrinsic problems of structural heterogeneity and an approach tc
Theo Härder, Günter Sauter, Joachim Thomas
April 1999   **The VLDB Journal — The International Journal on Very**
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (132.99 KB)   Additional Information: full citation, ak

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 46,   Downloa(

This paper focuses on the problems that arise when integrating data fron
database view. At first, we give a detailed analysis of the kinds of structu
are derived ...

Keywords: Heterogeneity, Legacy systems, Mapping language, Schema

16 A systematic study of functional language implementations
Rémi Douence, Pascal Fradet

March 1998   **Transactions on Programming Languages and Systems**
Publisher: ACM Request Permissions
Full text available: Pdf (273.98 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 10,   Downloads (12 Months): 76,   Downloa

We introduce a unified framework to describe, relate, compare, and clas:
compilation process is expressed as a succession of program transformat
different transformations ...

Keywords: abstract machines, combinators, compilers, functional progr

17 Enabling full service surrogates using the portable channel represent
Micah Beck, Terry Moore, Leif Abrahamsson, Christophe Achouiantz, Patrick
April 2001   **WWW '01:** Proceedings of the 10th international conference o|
Publisher: ACM
Full text available: Pdf (282.92 KB)   Additional Information: full citation, reference

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 15,   Download

Keywords: content distribution, dynamic content, mirroring, portability,

18 A model of multimedia information retrieval
Carlo Meghini, Fabrizio Sebastiani, Umberto Straccia
September 2001 **Journal of the ACM (JACM)** , Volume 48 Issue 5
Publisher: ACM Request Permissions
Full text available: Pdf (5.69 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 22,   Downloads (12 Months): 356,   Downl(

Research on multimedia information retrieval (MIR) has recently witness
research trend is its simultaneous but independent materialization within
richness ...

Keywords: Description logics, fuzzy logics, multimedia information retri

19 Selectivity estimation using probabilistic models
Lise Getoor, Benjamin Taskar, Daphne Koller
June 2001   **SIGMOD '01:** Proceedings of the 2001 ACM SIGMOD interna
Publisher: ACM Request Permissions
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Estimating the result size of complex queries that involve selection on m
a difficult but fundamental task in database query processing. It arises ir

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20 On the effective use and reuse of HCI knowledge
Alistair Sutcliffe

June 2000   **Transactions on Computer-Human Interaction (TOCHI)**
Publisher: ACM Request Permissions

Full text available: Pdf (245.10 KB)

Additional Information: full citation, a
index terms, re

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The article argues that new approaches for delivering HCI knowledge fro
millennium. First the role of theory in HCI design to date is reviewed, inc
interaction ...